AUTODOC CLUB

How to change track rod end on **AUDI A3 Sportback (8VA, 8VF)** – replacement guide

SIMILAR VIDEO TUTORIAL

This video shows the replacement procedure of a similar car part on another vehicle

Important!

This replacement procedure can be used for:
AUDI A3 Sportback (8VA, 8VF) 1.8 TFSI, AUDI A3 Sportback (8VA, 8VF) 2.0 TDI quattro, AUDI A3 Sportback (8VA, 8VF) S3 quattro, AUDI A3 Sportback (8VA, 8VF) 1.8 TFSI quattro, AUDI A3 Sportback (8VA, 8VF) 1.2 TFSI, AUDI A3 Sportback (8VA, 8VF) 2.0 TDI, AUDI A3 Sportback (8VA, 8VF) 1.6 TDI, AUDI A3 Sportback (8VA, 8VF) 1.4 TFSI g-tron, AUDI A3 Sportback (8VA, 8VF) 1.4 TFSI, AUDI A3 Sportback (8VA, 8VF) 1.4 TSI, AUDI A3 Sportback (8VA, 8VF) 1.4 TFSI e-tron, AUDI A3 Sportback (8VA, 8VF) 1.6 TDI quattro

The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: AUDI A3 Sportback (8PA) 1.2 TSI

REPLACEMENT: TRACK ROD END – AUDI A3 SPORTBACK (8VA, 8VF). LIST OF THE TOOLS YOU'LL NEED:

- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #23
- Combination spanner #24
- Drive socket # 18
- Drive socket # 19
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Tap wrench
- Vernier caliper
- Ball joint puller
- Wheel chock

Buy tools

Replacement: track rod end – AUDI A3 Sportback (8VA, 8VF). AUTODOC recommends:

- Replace tie rod ends in pairs.
- The replacement procedure is identical for the right and left tie rod ends.
- All work should be done with the engine stopped.

REPLACEMENT: TRACK ROD END – AUDI A3 SPORTBACK (8VA, 8VF). TAKE THE FOLLOWING STEPS:

1 Secure the wheels with chocks.

2 Loosen the wheel mounting bolts. Use wheel impact socket #17.

3 Raise the front of the car and secure on supports.

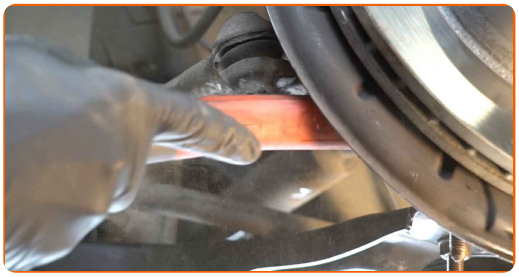
4 Unscrew the wheel bolts.

Replacement: track rod end – AUDI A3 Sportback (8VA, 8VF). Tip:

- To avoid injury, hold up the wheel when unscrewing the bolts.

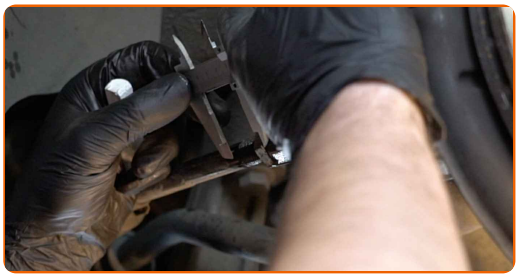
5 Remove the wheel.

6 Clean the fastener connecting the tie rod end to the steering knuckle. Use a wire brush. Use WD-40 spray.



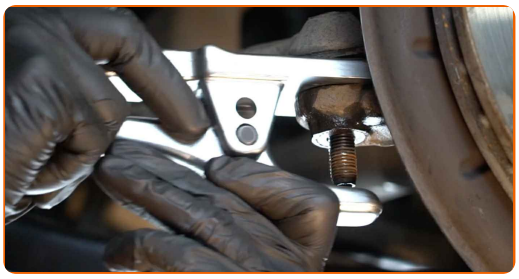
7 Unscrew the end fastening nut to the steering knuckle. Use a drive socket #18. Use a tap wrench.

8 When deinstalling, mark or measure the precise position of the ball joint on the track rod, or count the number of turns in order to prevent misalignment afterward. Use a vernier caliper.



9 Loosen the lock nut securing the tie rod end to the tie rod. Use a combination spanner #23. Use a combination spanner #24.

10 Disconnect the tie rod end from the steering knuckle. Use a ball joint puller.



11 Screw the end out of the tie rod.

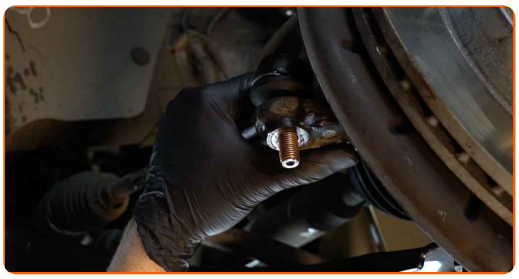
12 Clean the mounting seats of the tie rod end. Use a wire brush. Use WD-40 spray.

13 Screw on a new tie rod end.

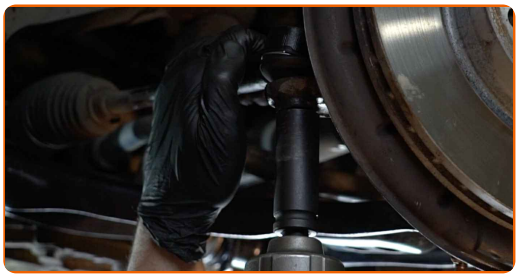
Replacement: track rod end – AUDI A3 Sportback (8VA, 8VF). AUTODOC experts recommend:

- While installing the steering rod end remember to make the same number of turns or to leave the same length of thread showing as per your measurements.

14 Connect the tie rod end to the steering knuckle.



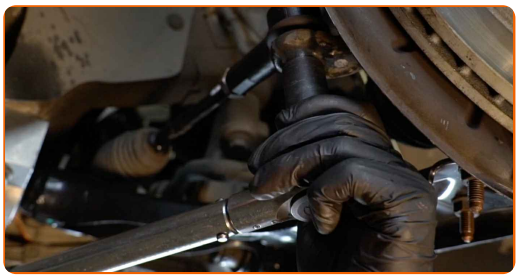
15 Screw on the fastening nut that connects the tie rod end to the steering knuckle. Use a drive socket #19. Use a ratchet wrench.



16 Tighten the tie rod end locknut. Use a combination spanner #24 (2 pieces). Use a torque wrench. Tighten it to 50 nm torque.

17 When deinstalling, mark or measure the precise position of the ball joint on the track rod, or count the number of turns in order to prevent misalignment afterward. Use a vernier caliper.

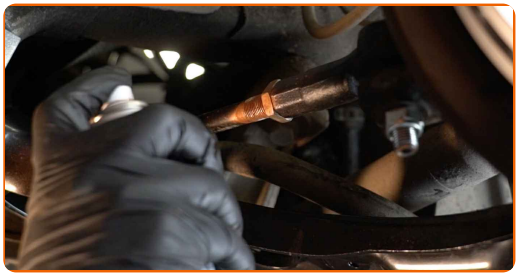
18 Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #19. Use a torque wrench. Tighten it to 20 Nm torque.+90°



AUTODOC recommends:

- Important! Be sure to use new fasteners.

19 Treat the fastener connecting the tie rod end to the steering knuckle. Use copper grease.



20 Treat the surface where the brake disc contacts the wheel rim. Use copper grease.

21 Clean the brake disk surface. Use a brake cleaner.

Replacement: track rod end – AUDI A3 Sportback (8VA, 8VF). Tip from AUTODOC:

- After applying the spray, wait a few minutes.

22 Install the wheel.

AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. AUDI A3 Sportback (8VA, 8VF)

23 Screw in the wheel bolts. Use wheel impact socket #17.

24 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 120 nm torque.

Replacement: track rod end – AUDI A3 Sportback (8VA, 8VF). Professionals recommend:

- Check and adjust wheel alignment if necessary.

25 Remove the jacks and chocks.

WELL DONE!

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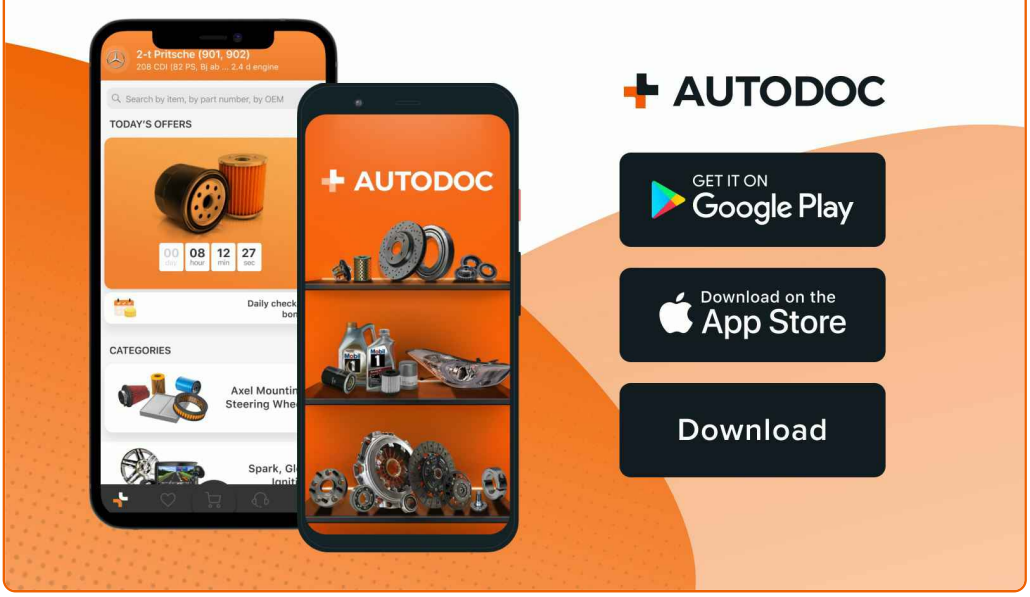

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